



# CanMap Water

User Manual  
v2010.3

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## About DMTI Spatial

DMTI Spatial™ Inc. is Canada's leading Location Intelligence provider. We enable users to understand their customers, optimize resources, realize opportunities, maximize profitability and make more informed decisions through accurate products and innovative thinking.

DMTI Spatial publishes precision built street map, rail and routing data (CanMap®), a detailed water layer, and innovative geocoding and address management software (GeoPinpoint™). In addition, DMTI Spatial publishes a full range of positionally accurate geospatial data products including: enhanced points of interest (EPOI), census data and boundaries, Postal Geography, topographic maps, and US mapping data. As part of a complete business geographic solution, DMTI Spatial™ offers a wide range of GIS services, consulting, and software training.

Established in 1994, DMTI Spatial is committed to setting the standard within the GIS industry for precision built geo-spatial data and address management services.

At DMTI Spatial, we believe that our true strength comes from working closely with our customers and providing innovative solutions to meet their strategic business objectives. As Canada's premier spatial solutions provider we pride ourselves with having worked with North America's leading organizations to support their mission critical applications.

DMTI Spatial works with large and small organizations representative of a wide variety of industries:

- Agriculture
- Banking/Finance
- Consulting
- Education
- Emergency Services
- Engineering
- Environmental
- Forestry
- Government
- Health
- High Technology
- Insurance
- Manufacturing
- Media
- Mining
- Real Estate
- Retail
- Telecommunications
- Transportation
- Utilities

We are a member of the ESRI Canada Business Partner Program, and winner of the 2001 ESRI Worldwide New Business Partner of the Year Award and the 2005 ESRI Foundation Partner of the Year Award. We are a strategic business partner of MapInfo and winner of the Markham Board of Trade 2000 Award for Entrepreneurship and Innovation. Recipient of The Association of Canadian Map Libraries and Archives (ACMLA) 2002 Certificate of Appreciation.



## Really Smart Spatial Solutions™

Through the application of its products and services, DMTI Spatial™ has been involved with projects such as: location-based services, logistics planning, emergency dispatch, facilities management, data management, customer care, address management, land base development in support of network planning, and marketing/demographic analysis applications.

DMTI Spatial™ can provide all of the components necessary for the acquisition, implementation, operation and maintenance of a successful GIS system within companies of all sizes. Through its product and service offering, DMTI Spatial™ can provide users with 5 key components:

1. Accurate, detailed, and compatible data
2. Comprehensive maintenance program
3. GIS software
4. Consulting and services
5. Software training

### DMTI Spatial™ Product & Service Portfolio

DMTI Spatial's product & service offering includes:

#### CanMap® - Digital Map Data for Canada

- CanMap® Streetfiles
- CanMap® RouteLogistics
- CanMap® Rail
- CanMap® Major Roads and Highways
- CanMap® Parks & Recreation
- CanMap® Water

#### Satellite Imagery

- Satellite StreetView™

#### Municipal Amalgamations

- CanMap® Municipality Amalgamation File (MAF)

#### Business & Recreational Points of Interest

- Enhanced Points Of Interest (EPOI)

#### GeoPinpoint™ Suite

- Canada's Geocoding Solution
- Modular Architecture
- Windows Standalone Desktop Version
- UNIX, Java Wrapper, ActiveX (DLL Version)

#### Topographic Data and Base Maps

- Canadian Atlas Map Bundle (CAMB)
- Populated Placenames
- National Topographic Data Base (NTDB)
- 30 & 90m Digital Elevation Models (DEM)
- Clutter Data

#### Postal Geography – Platinum Postal Code<sup>OM</sup> Suite

- Six-Digit Postal Code File (LDU Boundary)
- Enhanced Postal Code File (MEP)
- Forward Sortation Areas (FSA) Boundary

#### 1996 Census Boundaries & Demographic Data

- Enumeration Area (EA)
- Census Subdivision (CSD)
- Census Division (CD)
- Census Metropolitan Area/Census Agglomeration (CMA/CA)
- Census Tract (CT)
- Federal Electoral Districts (FED)

#### 2001/6 Census Boundaries

- Dissemination Area (DA)
- Census Subdivision (CSD)
- Census Division (CD)
- Census Metropolitan Area/Census Agglomeration (CMA/CA)
- Census Tract (CT)
- Federal Electoral Districts (FED)

#### GIS Software

- Contour Modeling and Display
- Demographic Profiling and Lifestyle Targeting
- Geocoding and Mapping Software
- Routing and Logistics

#### Consulting and Services

- Address Management Solutions
- Application Development
- Database Marketing
- Data Conversion and Creation
- Database Scrubbing
- Geocoding Services
- GIS Consulting
- Technical Support

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\* Postal Code is an official mark of Canada Post Corporation

## Technical Support, Error Reporting & Product Enhancement Services

DMTI Spatial is committed to building the best products possible for our customers. By using our data every day in your mission critical application you are our best source for product refinement. Please let us know if you have an enhancement request or found an error in any of our products so that we can make the correction for the next release.

This is your opportunity to provide feedback directly to the DMTI Spatial Product Development Team. Please be as specific as possible so that we can improve our products quickly and accurately. To submit an error or request technical assistance please visit:

<http://www.dmtispatial.com/en/Resources/TechSupport.aspx>

If you have an idea for a new product, or an enhancement request for an existing product, please e-mail:

[pm@dmtispatial.com](mailto:pm@dmtispatial.com)

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Error Reporting Service: <http://www.dmtispatial.com/helpdesk/index.aspx>

Product Enhancement Requests: [pm@dmtispatial.com](mailto:pm@dmtispatial.com)

Technical Support: <http://www.dmtispatial.com/helpdesk/index.aspx>

## Trademarks and Notices

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## About CanMap® Water v2010.3

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### Layer Properties

Property	Description
Coverage	National
Currency	August 15, 2010
Level of Accuracy	National Topographic Data Base (NTDB) 1:50,000 and 1:250,000 scale
Projection	All layers are displayed as unprojected Longitude-Latitude
Datum	All layers are in NAD83 datum
Format	ESRI and MapInfo <sup>1</sup>

### Layer Naming Conventions

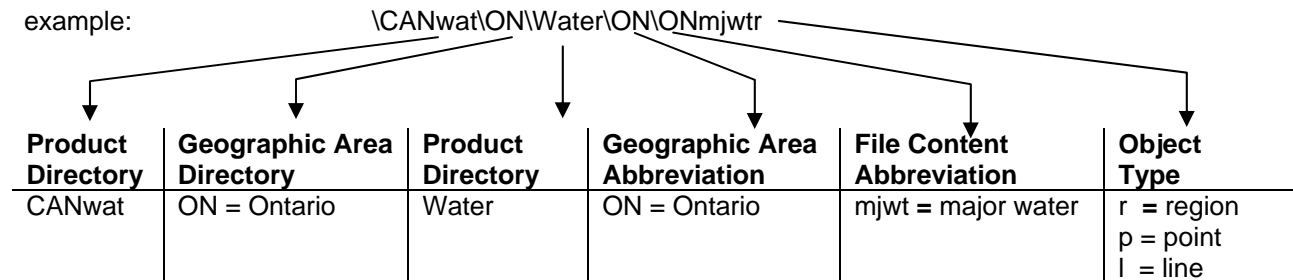
The CanMap Water is organized into the following directory structure:

Directory Name	Description
CANwat	CanMap® Water Directory

CanMap Water uses the following naming conventions:

Geographic Area Abbreviation + Layer Content Abbreviation

example:



The geographic area directory indicates the geographic coverage for all files contained within the directory, for example ON = Ontario. <sup>2</sup>

<sup>1</sup> Custom formats available upon request. Refer to [Appendix A: ESRI File Extensions](#) and [Appendix B: MapInfo File Extensions](#) for more information regarding file extensions.

<sup>2</sup> For more information regarding DMTI Spatial standard Geographic Areas and their abbreviations refer to [Appendix C: Canadian Provincial and Territorial Codes and Abbreviations](#)

## About CanMap® Water v2010.3 (cont'd)

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### Layer Contents

CanMap® Water represents detailed coverage of water features across Canada. CanMap Water is engineered from a combination of National Topographic Data Base (NTDB) 1:50,000 and 1:250,000 scale hydrographic mapping data.

CanMap® Water consists of the following layers:

Layer Name	Description	Feature Type
<i>Areamjwtr</i> <sup>3</sup>	Major water regions	Polygon
<i>Areamnwtr</i>	Minor water regions	Polygon
<i>Areamjnmp</i>	Major name points	Point
<i>Areamnnmp</i>	Minor name points	Point
<i>Areamjwtp</i>	Major water points	Point
<i>Areamnwtp</i>	Minor water points	Point
<i>Areamnwtl</i>	Minor water lines	Line
<i>Areamninr</i>	Minor Intermittent/slough regions	Polygon

For more information regarding these layers refer to the Data Dictionary of the CanMap® Water manual.

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<sup>3</sup> Where *AREA* refers to a DMTI Spatial Geographic Area



## Using CanMap® Water v2010.3

### Viewing DMTI Spatial Products

Packaged with DMTI Spatial products are several custom viewing files for MapInfo® Professional, ESRI® ArcView® GIS and ESRI® ArcGIS®.

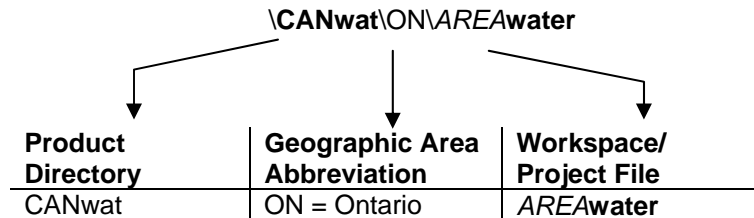
Software	Extension	Version Support
MapInfo Professional	*.wor	Version 6 and higher
ESRI ArcGIS	*.mxd	Version 8.1 and higher

Located in the product directory, these viewing files have been provided to maximize the ease of use of DMTI Spatial products by intelligently layering various data layers and displaying them based on appropriate viewing scales.

### Viewing CanMap Water

CanMap Water workspaces or project files are found in the product directory:

example:



If you wish to view CanMap Water layers with the provided workspaces or project files, the displayed layers include:

Layer Name	Description
AREAmjwtp <sup>4</sup>	Major water points
AREAmnwtp	Minor water points
AREAmnwtl	Minor water lines
AREAmjwtr	Major water regions
AREAmnwtr	Minor water regions
Areamnir	Minor Intermittent/slough regions

Layers that are not displayed as part of the CanMap Water workspace or project file include:

Layer Name	Description
AREAmjnmp	Major name points
AREAmnmp	Minor name points

<sup>4</sup> Where AREA refers to a DMTI Spatial Geographic Area

## Using CanMap® Water v2010.3 (cont'd)

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### Suggested Layering for the CanMap Water Directory

If you wish to view CanMap Water layers without the provided workspaces or project files, DMTI Spatial recommends using the following layering system to properly view CanMap® Water.

Layer Name	Description
<i>AREAmjwtp</i>	Major water points
<i>AREAmnwtp</i>	Minor water points
<i>AREAmnwtl</i>	Minor water lines
<i>AREAmjwtr</i>	Major water regions
<i>AREAmnwtr</i>	Minor water regions
<i>AREAmninr</i>	Minor Intermittent/slough regions

## Using CanMap® Water v2010.3 (cont'd)

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### New Release Format (2009.3) - File Geodatabase

The water is also available in file geodatabase format for ESRI 9.2 users. The data remains the same but the organization of the file has been changed. With no size restrictions the data has been streamlined into 4 files compared to the 8 previously released.

Layer Name	Description
wtp	Combined Major and Minor water points
wtl	Minor water lines
wtr	Combined Major, Minor and Intermittent water regions
nmp	Combined Major and Minor name points

### New Fields

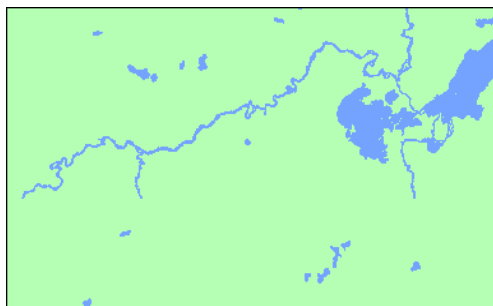
In addition to the fields that already exist a few new fields have been added to layers to help with querying and identification.

Field Name	Data Layer	Field Type (Size)	Description
Type	Water Regions	Text (50)	Type of Feature (Lake, River, Stream, Pond etc.)
Category	Water Regions	Text (50)	Nature of Feature (Perennial vs. Intermittent)
Major	Water Regions, Water Points	Short Integer	Whether the Feature is Major or Minor based on DMTI's Definition
Name	Water Lines	Text (100)	Name of Feature (ex. Stone Creek)

## Data Dictionary

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### Major Water Regions (mjwtr)



#### File Properties

#### Level of Accuracy

Ranging from the National Topographic Data Base (NTDB) standard down to sub-meter.

#### Projection

All files are displayed as un-projected Longitude-Latitude.

#### Datum

#### File Structures and Contents

#### Attention MapGuide Users:

#### Layer Location

\CANwtr\AREA directory<sup>5</sup>\Water

#### Layer Structure

Field Name	Field Type	Field Size	Description
Name	Character	100	Name of Feature
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Type	Text	50	Type of Feature (Lake, River, Stream, Pond etc.)
Category	Text	50	Nature of Feature (Perennial vs. Intermittent)
Major	Short Integer		Whether the Feature is Major or Minor based on DMTI's Definition

#### Layer Content

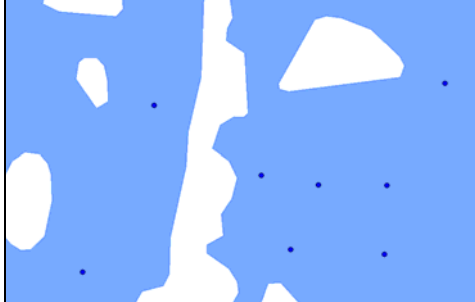
Code	Feature	Description
1452	Waterbody: Other	
1453	Waterbody: Irrigation canal	A built water body serving as a water supply in arid areas or for drainage in wet areas.
1454	Waterbody: Flooded area	An area always containing dead trees and not exploitable, permanently covered by water.

<sup>5</sup> Where AREA refers to a DMTI Spatial Geographic Area

## Data Dictionary (cont'd)

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### Major Water Points (mjwtp)



#### Layer Location

\\CANwtr\AREA directory\Water

#### Layer Structure

Field Name	Field Type	Field Size	Description
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Major	Short Integer		Whether the Feature is Major or Minor based on DMTI's Definition

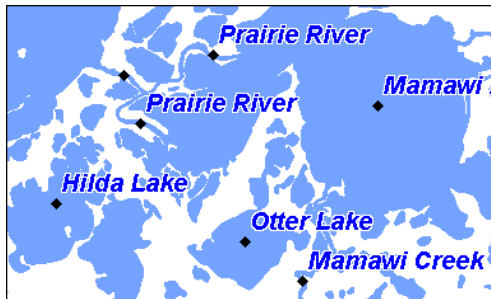
#### Layer Content

Code	Feature	Description
370	Disappearing stream: Generic/unknown	The extremity of a generic/unknown watercourse.
371	Disappearing stream: Other	The extremity of a watercourse.
372	Disappearing stream: Sinkhole	A hole formed in soluble rock by the action of percolating water.
1680	Hazard to navigation: Generic/unknown	Unknown hazard to navigation.
1681	Hazard to navigation: Rock in water	Rock or earthen formation always visible above the water surface.
1682	Hazard to navigation: Exposed shipwreck	The remains of a grounded ship that is partially above the water surface.
1683	Hazard to navigation: Obstacle in water	Navigation hazard, such as an abandoned bridge pier (a structure in the water that was formerly used to support a bridge) or a crib (a crate-like structure of logs or beams, filled with stones, that is used as an offshore anchorage).

## Data Dictionary (cont'd)

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### Major Water body Name Points (mjnmp)



#### Layer Location

\\CANwtr\AREA directory\Water

#### Layer Structure

Field Name	Field Type	Field Size	Description
Name	Character	100	Name of Feature
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Major (file geodatabase)	Short Integer		Whether the Feature is Major or Minor based on DMTI's Definition

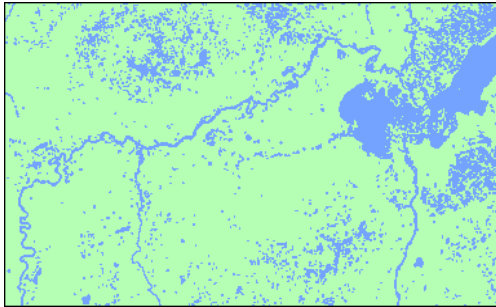
#### Layer Content

Code	Feature	Description
1852	Toponym: Hydrography	The name of a geographic feature type that identifies surface water.

## Data Dictionary (cont'd)

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### Minor Water body Water feature -Regions (mnwtr)



#### Layer Location

\\CANwtr\AREA directory\Water

#### Layer Structure

Field Name	Field Type	Field Size	Description
Name	Character	100	Name of Feature
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Type	Text	50	Type of Feature (Lake, River, Stream, Pond etc.)
Category	Text	50	Nature of Feature (Perennial vs. Intermittent)
Major	Short Integer		Whether the Feature is Major or Minor based on DMTI's Definition

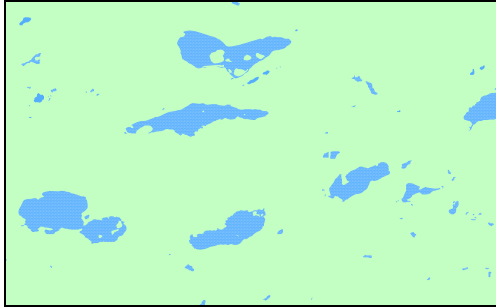
#### Layer Content

Code	Feature	Description
1452	Waterbody: Other	A natural or built water region.
1453	Waterbody: Irrigation canal	A built water body serving as a water supply in arid areas or for drainage in wet areas.
1454	Waterbody: Flooded area	An area always containing dead trees and not exploitable, permanently covered by water because the natural drainage has been interrupted.

## Data Dictionary (cont'd)

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### Minor Water body Intermittent/slough Regions (mninr)



#### Layer Location

\\CANwtr\AREA directory\Water

#### Layer Structure

Field Name	Field Type	Field Size	Description
Name	Character	100	Name of Feature
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Type	Text	50	Type of Feature (Lake, River, Stream, Pond etc.)
Category	Text	50	Nature of Feature (Perennial vs. Intermittent)
Major	Short Integer		Whether the Feature is Major or Minor based on DMTI's Definition

#### Layer Content

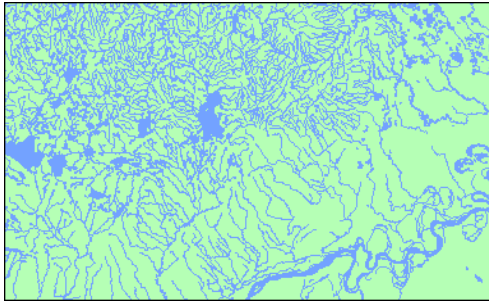
Code	Feature	Description
1450	Waterbody: Intermittent/slough	A water body that is normally dry at some time of the year. In the Prairie provinces, an intermittent lake is called a slough.



## Data Dictionary (cont'd)

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### Minor Water body Water feature -Polylines (mnwtl)



#### Layer Location

\\CANwtr\AREA directory\Water

#### Layer Structure

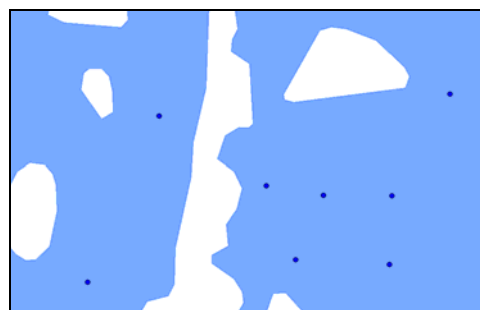
Field Name	Field Type	Field Size	Description
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Name	Text	100	Name of Feature

#### Layer Content

Code	Feature	Description
742	Navigable canal: Generic/unknown	Generic/unknown watercourse deep and wide enough capable to allow the passage of vessels.
743	Navigable canal: Abandoned	Abandoned watercourse deep and wide enough capable to allow the passage of vessels.
744	Navigable canal: Operational	Operational watercourse deep and wide enough capable to allow the passage of vessels.
1463	Watercourse: Generic/unknown	Generic/unknown body of water flowing on the earth's surface. It consists of rivers, streams, brooks and creeks

## Data Dictionary (cont'd)

### Minor Water Points (mnwtp)



#### Layer Location

\\CANwtr\AREA directory\Water

#### Layer Structure

Field Name	Field Type	Field Size	Description
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Major	Short Integer		Whether the Feature is Major or Minor based on DMTI's Definition

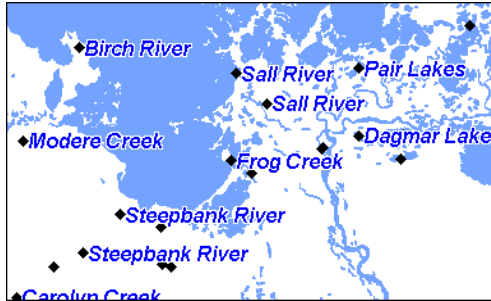
#### Layer Content

Code	Feature	Description
370	Disappearing stream: Generic/unknown	The extremity of a generic/unknown watercourse.
371	Disappearing stream: Other	The extremity of a watercourse.
372	Disappearing stream: Sinkhole	A hole formed in soluble rock by the action of percolating water.
1680	Hazard to navigation: Generic/unknown	Unknown hazard to navigation.
1681	Hazard to navigation: Rock in water	Rock or earthen formation always visible above the water surface.
1682	Hazard to navigation: Exposed shipwreck	The remains of a grounded ship that is partially above the water surface.
1683	Hazard to navigation: Obstacle in water	Navigation hazard, such as an abandoned bridge pier (a structure in the water that was formerly used to support a bridge) or a crib (a crate-like structure of logs or beams, filled with stones, that is used as an offshore anchorage).

## Data Dictionary (cont'd)

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### Minor Water body Name feature - Points (mnnmp)



#### Layer Location

\\CANwtr\AREA directory\Water

#### Layer Structure

Field Name	Field Type	Field Size	Description
Name	Character	100	Name of Feature
Code	Decimal	4,0	Feature Code
Feature	Character	76	Feature Type
Prov	Character	2	Provincial/Territorial Abbreviation. Water features located in the United States of America are represented by the abbreviation of US.
Major (file geodatabase)	Short Integer		Whether the Feature is Major or Minor based on DMTI's Definition

#### Layer Content

Code	Feature	Description
1852	Toponym: Hydrography	The name of a geographic feature type that identifies surface water.

## Appendix A: ESRI® File Extensions

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Refer to the following table for descriptions of ESRI file extensions. Not all file extensions are available for every DMTI product.

File Extension	ArcView	ArcGIS	Both	File Description
*.shp			x	Part of standard ESRI Shapefile
*.shx			x	Part of standard ESRI Shapefile
*.dbf			x	Part of standard ESRI Shapefile
*.aih	x			Part of Attribute Index
*.ain	x			Part of Attribute Index
*.sbn			x	Part of Spatial Index
*.sbx			x	Part of Spatial Index
*.avl	x			Legend Properties
*.lyr		x		Layer Properties
*.prj		x		Datum and Projection Properties
*.mxd		x		ArcGIS Project file

## Appendix B: MapInfo® Professional File Extensions

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Refer to the following table for descriptions of MapInfo file extensions.

File Extension	File Description
*.dat	Attribute Data
*.id	Graphic Index
*.ind	Attribute Index
*.map	Graphic Data
*.tab	Tab File
*.wor	Workspace

## Appendix: CanMap® Data Set Configuration for MapGuide

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### 1. Installing the Files:

Once the files are on the local hard drive, it is recommended that you move the SDF and DBF files to another directory where they can be better protected from the Internet. Please refer to the MapGuide manual for permissions and security recommendations.

The following folders will be provided:

Folder	Description
dbms\Canada	databases for free Canada directory
dbms\AREA	databases for desired geographic area
docs	files for setup etc.
images	wmf, bmp, tiff, jpeg, etc.
maps	map window files
mlf	map layer files, if available
reports	Cold Fusion templates
scripts	if available
sdf\AREA	MapGuide spatial data files for desired geographic area
sdf\Canada	MapGuide spatial data files for free Canada directory

### 2. Web Setup (if required)

If the files are moved to other directories, drives or machines than specified above, then you will have to create paths to these machines. MapGuide and Cold Fusion support UNC paths but they may require setup where they are installed to take advantage of this distributed environment. Please see the MapGuide documentation on the website [www.mapguide.com](http://www.mapguide.com)

You may also have to modify paths in the Map Window Files (.mwf) for reports.

### 3. MapGuide Setup:

In MapGuide Server Admin, there is a path setting for both Sdf directories. Leaving the default paths in place, and using your own directory structure you would use the following:

**SDF Search Path:**

After the default directory - C:\Program Files\Autodesk\MapGuideServer4\sdf, add your own paths to sdf directories using a semi-colon to separate each sub-directory listing.

Note: the path directories are NOT case sensitive.

**4. ODBC Setup:**

The database setups are required so that any thematics for roads or land use etc. can be displayed and so that report queries can be generated.

**Note:** You will receive a set of dbf files for each project. It is highly recommended that you import the dbf files into an ODBC compliant database management program that is relational and allows the key fields to be indexed, e.g. Access, SQL Server, etc. Index the fields that define the unique database field and any field that has a theme generated from it, e.g. carto in the street layers.

You can set the DSN's up through the Control Panel > ODBC or you can use the Cold Fusion Administrator. Again, these settings are NOT case sensitive. Also note that if you are using Control Panel, each Data Source must be a System DSN not a User DSN.

If you are not using Cold Fusion, then you will have to convert the .cfm templates into your preferred reporting language.

**5. MapGuide Window File Setup:**

Each mwf file will have to be modified to use your Intra/Internet server name. The files you will receive will point to DMTI\_MAPGUIDE.

**Step 1.** Open the mwf file and select all the layers in the left hand column. > Right click over these layers and select Properties... > replace dmti\_mapguide with your web server name (e.g. www.com)

**Step 2.** From the pull-down menus, select File > Properties... to bring up the mwf properties. Select the Reports Tab > Under the Properties URL, replace dmti\_mapguide with your web server name for each report. Reports that can be generated include; all Roads layers (rds,hwy,hrd), POI layers, the lur layer and the mun layer.

**Step 3.** Select the Zoom Goto Tab to replace dmti\_mapguide with your web server name. Zoom Goto's are provided for the Municipal Centroids (munc) layer.

**Step 4.** Select OK for the Properties Dialogue box and Save the Map Window File.

## Appendix C: Provincial and Territorial Abbreviations and Codes<sup>6</sup>

The provincial/territorial names, abbreviations and numeric codes reflect those in effect on January 1, 2001 with the exception of the name change of the province of Newfoundland and Labrador (previously Newfoundland), which came into effect on December 6, 2001. Newfoundland and Labrador was recognized by the alpha code NL (formerly NF). There were no changes to the numeric code (10) and abbreviations for Newfoundland and Labrador.

On April 1, 1999 the Northwest Territories was divided into two territories to create Nunavut Territory. The province/territory numeric code for Nunavut is 62 whereas the code for the Northwest Territories remained at 61. On December 18, 2000, Canada Post has introduced a new alpha code (NU) for Nunavut.

Province/Territory (English)	Province/Territory (French)	Abbreviation <sup>7</sup>	Numeric Code
Alberta	Alberta	AB	48
British Columbia	Colombie-Britannique	BC	59
Manitoba	Manitoba	MB	46
New Brunswick	Nouveau-Brunswick	NB	13
Newfoundland and Labrador	Terre-Neuve-et-Labrador	NL	10
Nova Scotia	Nouvelle-Écosse	NS	61
Northwest Territories	Territoires du Nord-Ouest	NT	12
Nunavut	Nunavut	NU	62
Ontario	Ontario	ON	35
Prince Edward Island	Île-du-Prince-Édouard	PE	11
Québec	Québec	QC	24
Saskatchewan	Saskatchewan	SK	47
Yukon	Yukon	YT	60

<sup>6</sup> Source: Statistics Canada, Standard Geographical Classification (SGC), 2001

<sup>7</sup> Source: Canada Post Corporation, The Canadian Addressing Guide, October 2002

## Appendix D: ISO 19115:2003 Compliant Metadata

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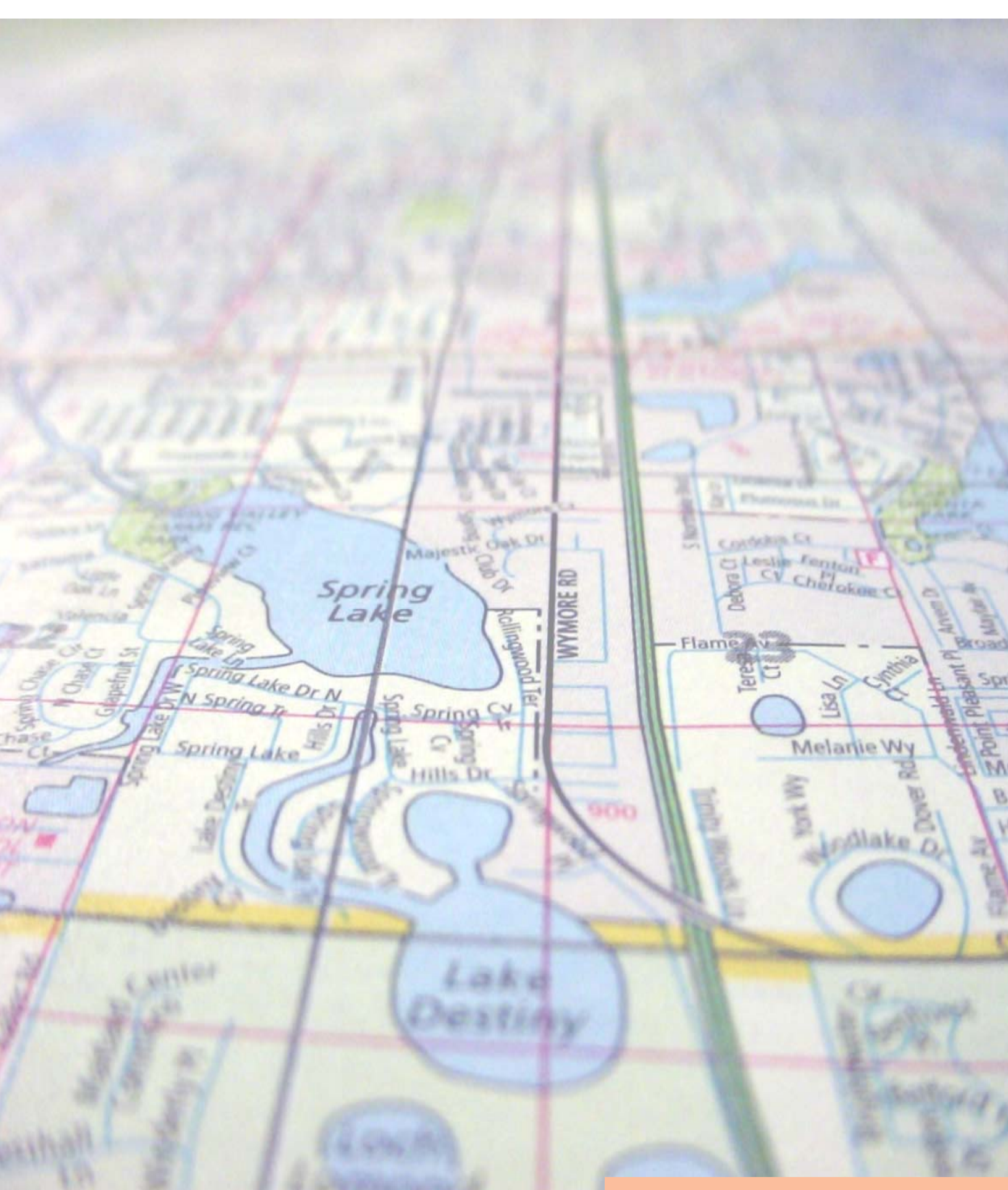
### Metadata Notification

As of May 15<sup>th</sup> 2005, DMTI Spatial data products have metadata that are ISO 19115:2003 compliant.

This product now includes structured metadata files as provided in XML and/or HTM format. These metadata files reside with the graphic or database files to which they are associated. It is recommended that users review and customize the metadata as per their specific needs.

This latest addition to the CanMap<sup>®</sup> line of products is another enhancement that will benefit our users and increase overall product satisfaction.





### About DMTI Spatial:

DMTI has been providing industry leading enterprise Location Intelligence solutions for more than a decade to Global 2000 companies and government agencies. DMTI's world-class Location Hub® platform uniquely identifies, validates and maintains a universe of location-based data. DMTI is the creator of market leading Mapping Solutions and maintains the gold standard for GIS location-based data in Canada.

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